BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

*Name of Work: **Estimate for Maintenance of Road, drains and footpath work in New Ward No. 13, (Vidyaranyapura). For the year 2023-24.***

Estimated Cost Rs. 55.00 Lakhs

BRUHAT BENGALURU MAHANAGARA PALIKE

Name of the Work :- Maintainance of Road, drains and foothpath work in New Ward No. 13, (Vidyaranyapura). for the year 2023-24.

			Detailed			Estimate Cost					5,500,000.00
Sl No	Description of work	No	Dimensions			Quantity	Rate	Unit	Amount	GST @ 18%	Amount
			L	B	D						
1	Removing and resetting of footpath slab **(Approved arrival data rate)**										
	Covering Slab Drains	1	425.00	0.90		382.50					
		1	265.00	0.75		198.75					
						581.25	235.00	**Sqm**	**136594.00**	**24587.00**	**161181.00**
	Data Rate	**235.00**									
2	Removing and resetting stone slabs of drains and pointing in C.M (1:3) **(Approved arrival data rate)**										
	Covering Slab Drains	1	350.00	1.35		472.50					
		1	315.00	1.35		425.25					
						897.75	121.00	**Sqm**	**108628.00**	**19553.00**	**128181.00**
	Data Rate	**121.00**									
3	Supply of **Hydraulic Excavator of 0.9 m3 bucket** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-44, Sl No.49, Vol 1] SR 2023-24										
	(3 days x 6 hours x 12 months)					**216.00**	1350.00	**Hr**	**291600.00**		**291600.00**
	Basic Rate	**1350.00**									
4	Supply of **Tipper-5.5 m3** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-47, Sl No.126, Vol 1] SR 2023-24										
	(20 days x 6 hours x 12 months)					**1440.00**	1412.00	**Hr**	**2033280.00**		**2033280.00**
	Basic Rate	**1412.00**									
5	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. **(PWD SR 2023-24 Vol -II Pg No. 177 item No. 17.14)**										

Sl No	Description of work	No	Dimensions			Quantity	Rate	Unit	Amount	GST @ 18%	Amount
			L	B	D						
	Missing Covering Slabs	250	0.60	0.90		135.00					
		220	0.60	0.75		99.00					
						234.00	1287.00	**Sqm**	**301158.00**	**54208.00**	**355366.00**
	Basic Rate	**1170.00**									
	Area Weightage @ 10%	**117.00**									
	Total	**1287.00**									
6	Supplying and fixing Pre cast reinforced concrete slab 23cm thick including cost of reinforcement as per design and drawing courses cost of all materials, labour complete as per specifications. Specification										
		12	0.60	1.50		10.80	5037.00	**Sqm**	**54400.00**	**9792.00**	**64192.00**
	Data Rate	5037.00									
7	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregate (PWD SR 2023-24 Vol -I Pg 15 Item No. 2.1.6))**										
	Drain Ramp	1	300.00	0.30	0.10	9.00					
	Culvert Ramp	2x12	5.00	1.00	0.15	18.00					
					Total	**27.00**	6867.30	**Cum**	**185417.00**	**33375.00**	**218792.00**
	Basic Rate	**6243.00**									
	Area Weightage @ 10%	**624.30**									
	Total	**6867.30**									
8	Supply of Material component **Bitumen (emulsion) Rapid Setting RS1*** for all road works. [P. No-A-10, SL. No-23, Vol-3] SR 2023-24										
						1.00	43200.00	**t**	**43200.00**		**43200.00**
	Basic Rate	**43200.00**									

Sl No	Description of work	No	Dimensions			Quantity	Rate	Unit	Amount	GST @ 18%	Amount
			L	B	D						
9	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density [PWD SR 2023-24/ Volume-3/ Chapter-4/P.NO-26/ Item no:-4.17].										
		1	450.00	3.00	0.20	270.00	2814.90	Cum	760023.00	136804.00	896827.00
	Basic Rate	**2559.00**									
	Area Weightage @ 10%	**255.90**									
	Total	**2814.90**									
10	Supply of **Unskilled Mazdoor Heavy Labours** As per orders of minimum wages Act KAE 02 LMW 2015 Dt: 06-01-2017 for emergency works. SR 2023-24 [P. No-A-50, SL. No-IV, Vol-1, Zone-1].										
	(24 Days x 12 months x 6 Labours)					**1728.00**	643.40	**Day**	**1111795.00**		**1111795.00**
	Basic Rate=Rs.643.40										
11	Supply of **Skilled Mason or Brick layer Class-1** As per orders of minimum wages Act KAE 02 LMW 2015 Dt: 06-01-2017 for emergency works. SR 2023-24 [P. No-A-49, SL. No-II-3, Vol -1, Zone-1]										
	(24 Days x 12 months x 1 Mason)					**288.00**	**676.67**	**Day**	**194881.00**		**194881.00**
	Basic Rate=Rs.676.67										
							Total =				**5499295.00**
							Miscellenious and rounding =				**705.00**
							Grand Total =				**5500000.00**

Technical Sanction Accorded For Rs. 55.00 Lakhs
Head of A/C P-3726
CER NO : 50 Dt: 20/11/23

CERTIFICATE:

1) The work spot has been inspected and found to be necessary.
2) The work spot comes under B.B.M.P Limits.
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of PWD 2023-24, Issue rates and Data Rates.

Assistant Engineer
Ward No. 13, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byataravanapura Division

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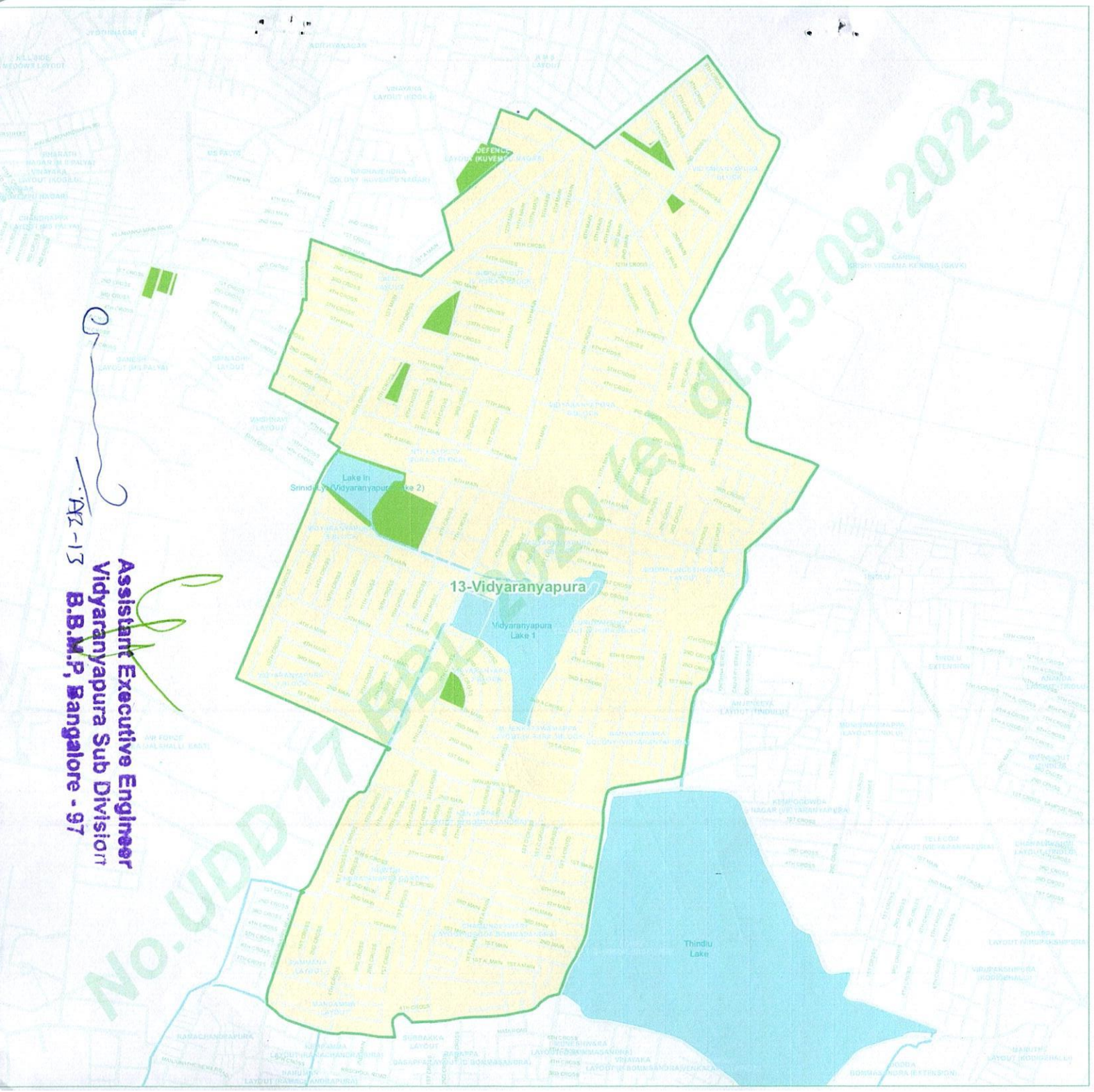

No.UDD 17 BBL 2020 (e) dt.25.09.2023

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

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Delimitation of Wards in BBMP - 2

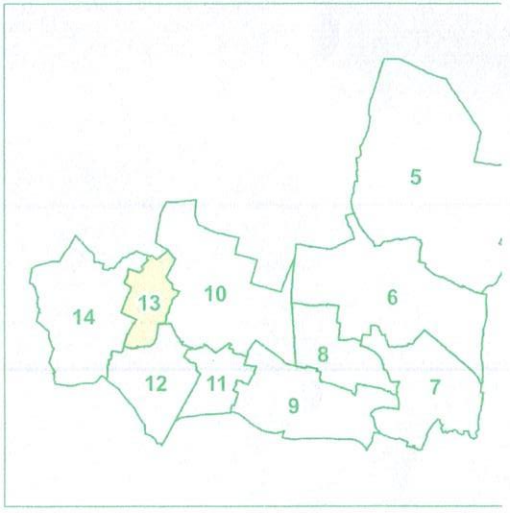
Ward Name

13-Vidyaranyapura

Legend

- Delimited Ward Boundary
- Delimited Ward Area
- Road
- Railwayline
- Park
- Tank/ Pond/ Storm Water Drain

152- Byatarayanapura AC



Government of Karnataka Notification
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Urban Development Departm
Government of Karnataka